LIST OF PUBLICATIONS

The following publications resulted from the work presented in this thesis:

1. A. Jalba, J. Kustra, and A. Telea. Surface and curve skeletonization of large 3D models on the GPU. *IEEE TPAMI*, 35(6):1495–1508, 2013

2. J. Kustra, A. Jalba, and A. Telea. Probabilistic View-based Curve Skeleton Computation on the GPU. In *8th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISAPP 13*, 2013

3. J. Kustra, A. Jalba, and A. Telea. Robust segmentation of multiple intersecting manifolds from unoriented noisy point clouds. *CGF*, 33(1):73–87, 2014

4. J. Kustra, A. Jalba, and A. Telea. Shape segmentation using medial point clouds with applications to dental cast analysis. In *Proc. VISAPP*, pages 151–159, 2014

5. J. Kustra, M. de Jager, A. Jalba, and A. Telea. Teeth shape modeling pipeline for oral healthcare appliances development. In *Proc. ICCE*. IEEE, 2014

6. J. Kustra, M. de Jager, A. Jalba, and A. Telea. A medial point cloud based algorithm for dental cast segmentation. In *Proc. ICCE*. IEEE, 2014

7. J. Kustra, A. Jalba, and A. Telea. Computing refined skeletal features from medial point clouds. *Pattern Recognition Letters (Submitted)*, 2014